

OSHA 200 LOG RECORDABLE  
INJURY/ILLNESS INCIDENCE RATES FOR  
YEAR 1999  
FOR  
EIGHT PARTICIPATING SHIPYARDS



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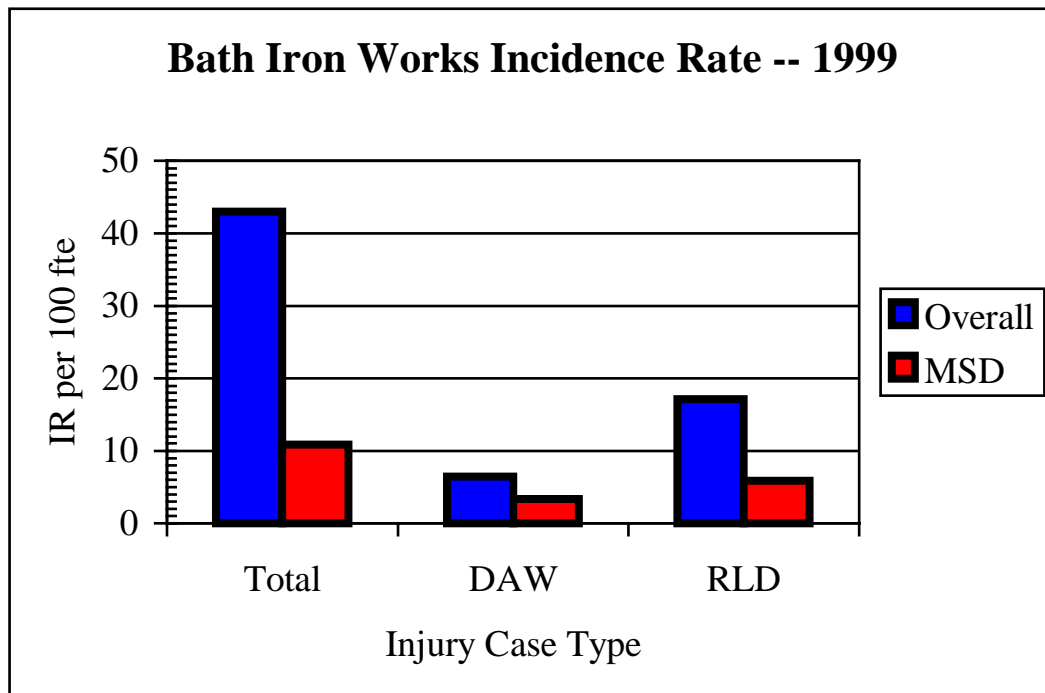
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**BATH IRON WORKS  
1999 OSHA 200 LOG REVIEW**

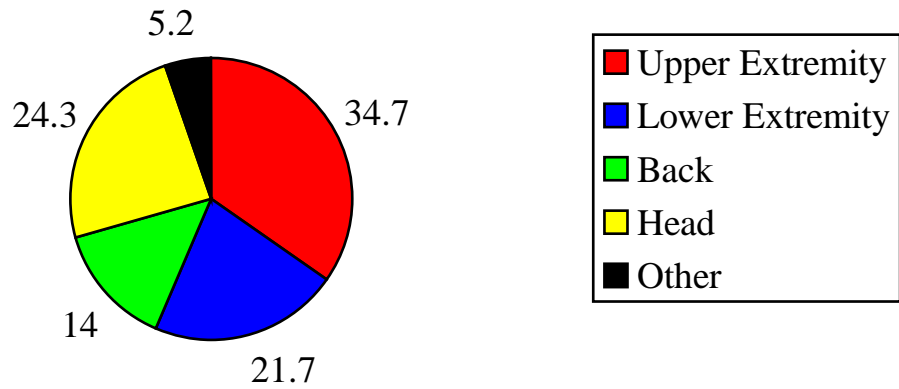
For the year 1999, there were 3449 total injuries and illnesses recorded onto the OSHA 200 Logs for an annual incident rate of 43.0 per 100 full-time employees (fte), based on a total of 16,041,818 worker hours for that year ( $3449 \times 200,000/16,041,818$ ). The Days Away from Work case ( $n = 519$ ) rate was 6.5 per 100 fte. For strictly Restricted or Light Duty Day cases ( $n = 1368$ ), the incident rate was 17.1 per 100 fte.

Overall, upper extremity injuries accounted for 34.7 % of all cases, lower extremity injuries 21.7 %, head injuries including eyes and ears 24.3 %, back injuries 14.0 %, and other locations 5.2 %.

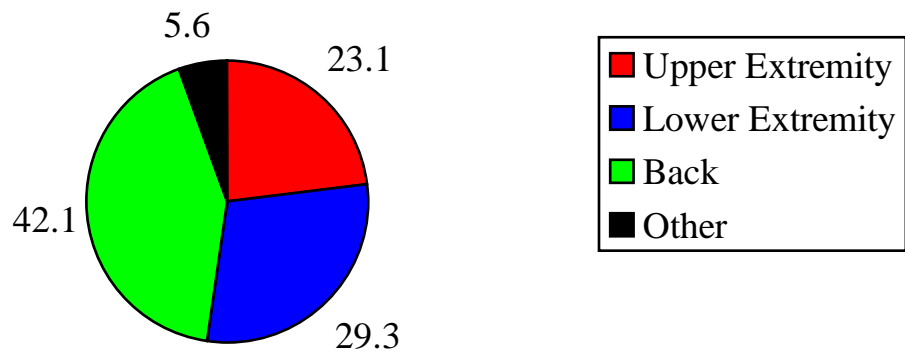
Musculoskeletal (MSD) injuries were defined as sprains/strains/tears, dislocations, tendinitis, bursitis, hernia or carpal tunnel syndrome affecting either the upper extremities, lower extremities, back or trunk. MSD's represented 25.4 % of the total cases, 51.8 % of the Days Away from Work cases, and 34.4 % of the Restricted or Light Duty Day cases. The MSD incident rate was 10.9 MSD's per 100 fte. The MSD Days Away from Work incident rate was 3.4 per 100 fte. The MSD Restricted or Light Duty Day incident rate was 5.9 per 100 fte. The upper extremities accounted for 23.1 % of the MSD injuries, the lower extremities 29.3 %, the back 42.1 %, and other 5.6 %.



### Bath Iron Works 1999 Total Injuries by Body Part



### Bath Iron Works 1999 MSD Injuries by Body Part



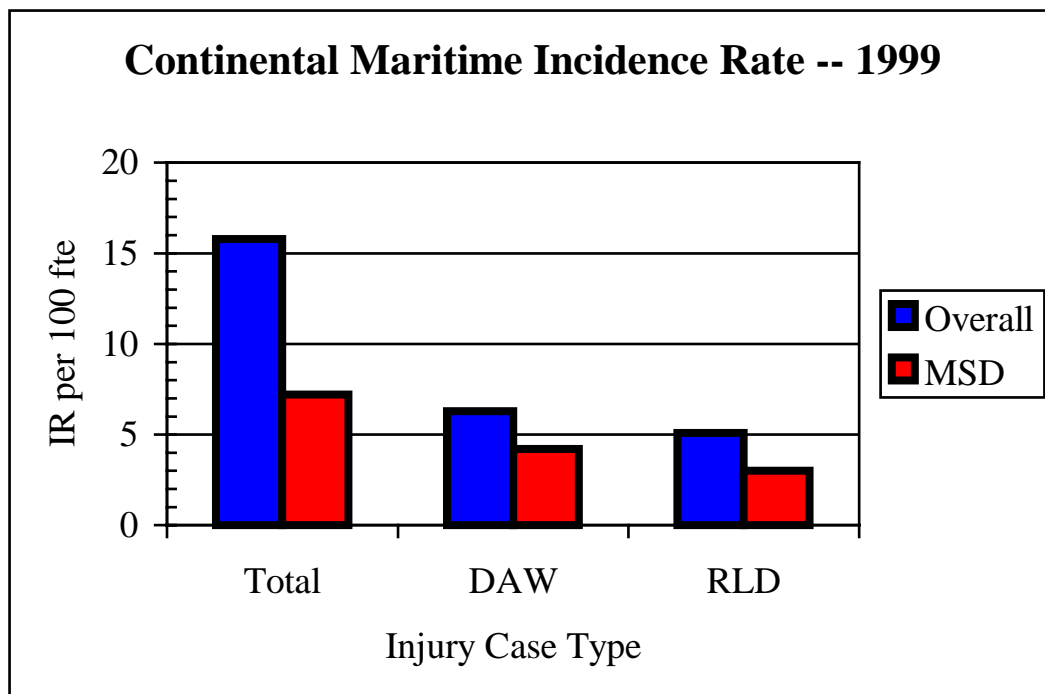
Bath Iron Works 1999 OSHA 200 Log Analysis		
	Median (days)	Mean (days)
Total DAW	3	14.0
Total RLDD	3	8.1
MSD DAW	4	13.7
MSD RLDD	3	9.0

**CONTINENTAL MARITIME – SAN DIEGO  
1999 OSHA 200 LOG REVIEW**

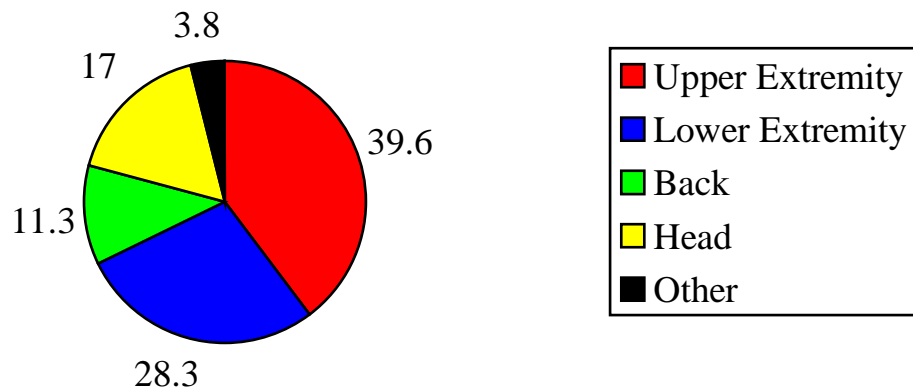
For the year 1999, there were 53 total injuries and illnesses recorded onto the OSHA 200 Logs for an annual incident rate of 15.8 per 100 full-time employees (fte), based on a total of 669,903 worker hours for that year ( $53 \times 200,000/669,903$ ). The Days Away from Work case ( $n = 21$ ) rate was 6.3 per 100 fte. For strictly Restricted or Light Duty Day cases ( $n = 17$ ), the incident rate was 5.1 per 100 fte. The No Lost Workday case ( $n = 18$ ), incident rate was 5.4 per 100 fte.

Overall, upper extremity injuries accounted for 39.6 % of all cases, lower extremity injuries 28.3 %, head injuries including eyes and ears 17.0 %, back injuries 11.3 %, and other locations 3.8 %.

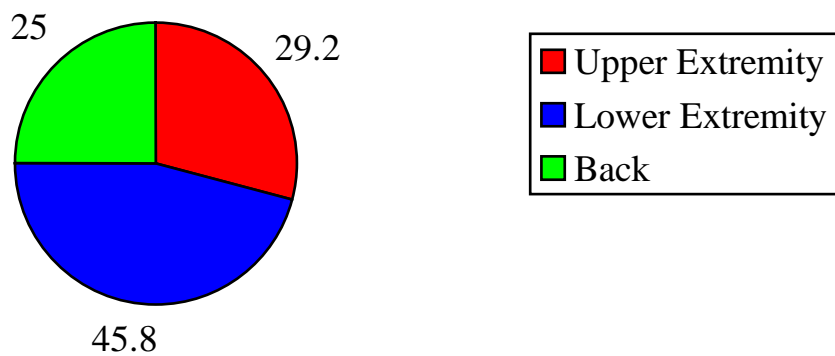
Musculoskeletal (MSD) injuries were defined as sprains/strains/tears, dislocations, tendinitis, bursitis, hernia or carpal tunnel syndrome affecting either the upper extremities, lower extremities, back or trunk. MSD's represented 45.3 % of the total cases, 66.7 % of the Days Away from Work cases, and 58.8 % of the Restricted or Light Duty Day cases. The MSD incident rate was 7.2 MSD's per 100 fte. The MSD Days Away from Work incident rate was 4.2 per 100 fte. The MSD Restricted or Light Duty Day incident rate was 3.0 per 100 fte. The lower extremities accounted for 45.8 % of the MSD injuries, the upper extremities 29.2 %, and the back 25.0 %.



### Continental Maritime 1999 Total Injuries by Body Part



### Continental Maritime 1999 MSD Injuries by Body Part



Continental Maritime 1999 OSHA 200 Log Analysis		
	Median (days)	Mean (days)
Total DAW	4	27.1
Total RLDD	3	6.1
MSD DAW	4.5	20.6
MSD RLDD	5.5	7.4

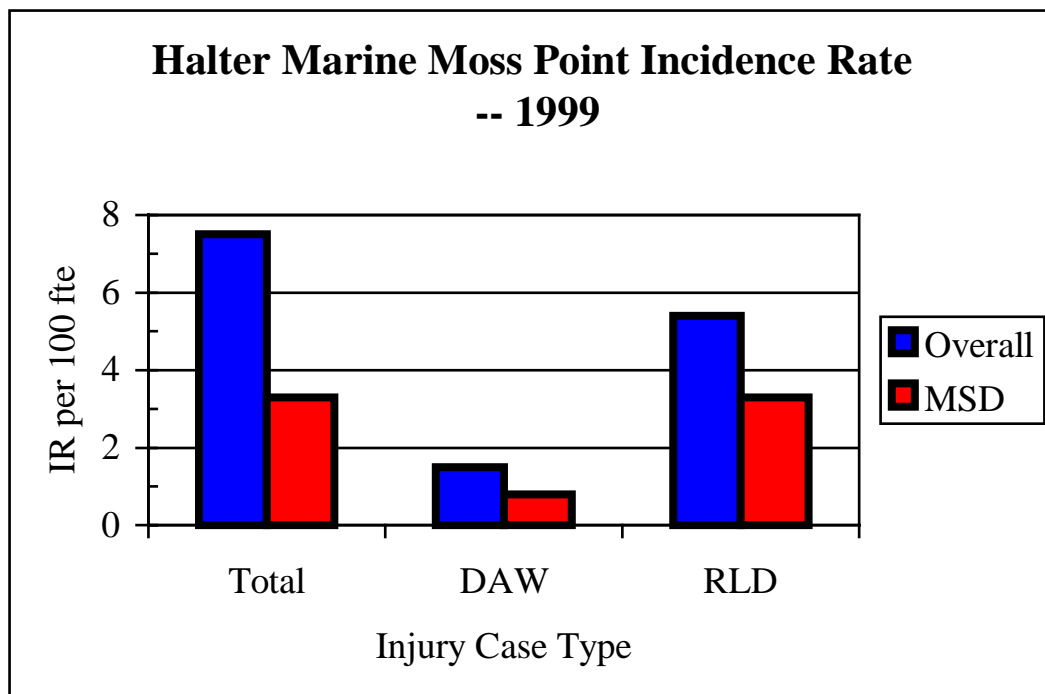


**HALTER MARINE MOSS POINT  
1999 OSHA 200 LOG REVIEW**

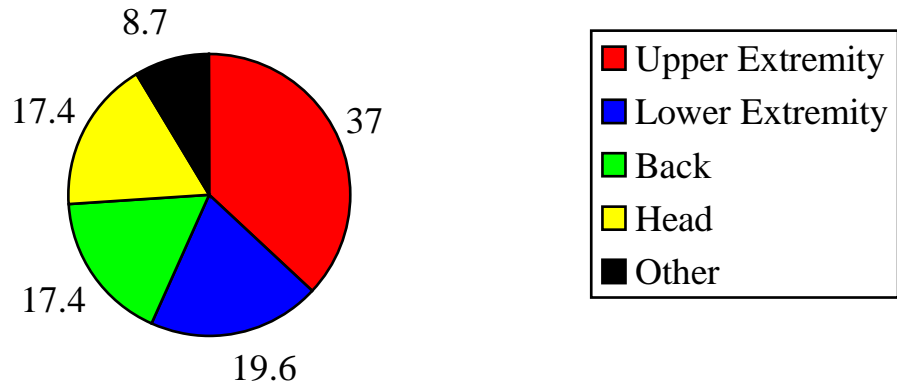
For the year 1999, there were 46 total injuries and illnesses recorded onto the OSHA 200 Logs for an annual incident rate of 7.5 per 100 full-time employees (fte), based on a total of 1,221,557 worker hours for that year ( $46 \times 200,000/1,221,557$ ). The Days Away from Work case ( $n = 9$ ) rate was 1.5 per 100 fte. For strictly Restricted or Light Duty Day cases ( $n = 33$ ), the incident rate was 5.4 per 100 fte. The No Lost Workday case ( $n = 10$ ), incident rate was 1.6 per 100 fte.

Overall, upper extremity injuries accounted for 37.0 % of all cases, lower extremity injuries 19.6 %, head injuries including eyes and ears 17.4 %, back injuries 17.4 %, and other locations 8.7 %.

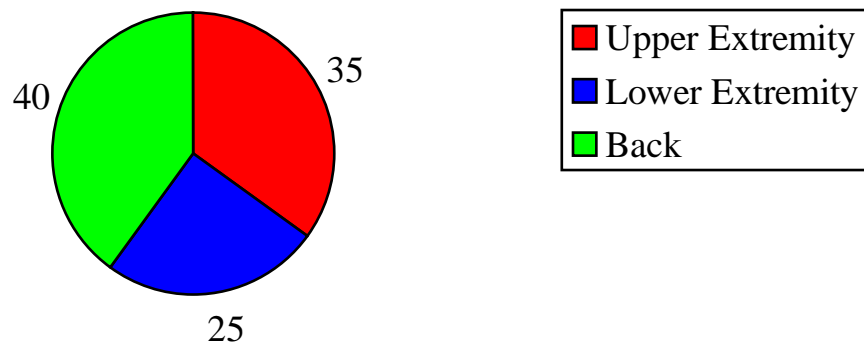
Musculoskeletal (MSD) injuries were defined as sprains/strains/tears, dislocations, tendinitis, bursitis, hernia or carpal tunnel syndrome affecting either the upper extremities, lower extremities, back or trunk. MSD's represented 43.5 % of the total cases, 55.6 % of the Days Away from Work cases, and 60.6 % of the Restricted or Light Duty Day cases. The MSD incident rate was 3.3 MSD's per 100 fte. The MSD Days Away from Work incident rate was 0.8 per 100 fte. The MSD Restricted or Light Duty Day incident rate was 3.3 per 100 fte. The upper extremities accounted for 35.0 % of the MSD injuries, the lower extremities 25.0 %, and the back 40.0 %.



### Halter Marine Moss Point 1999 Total Injuries by Body Part



### Halter Marine Moss Point 1999 MSD Injuries by Body Part



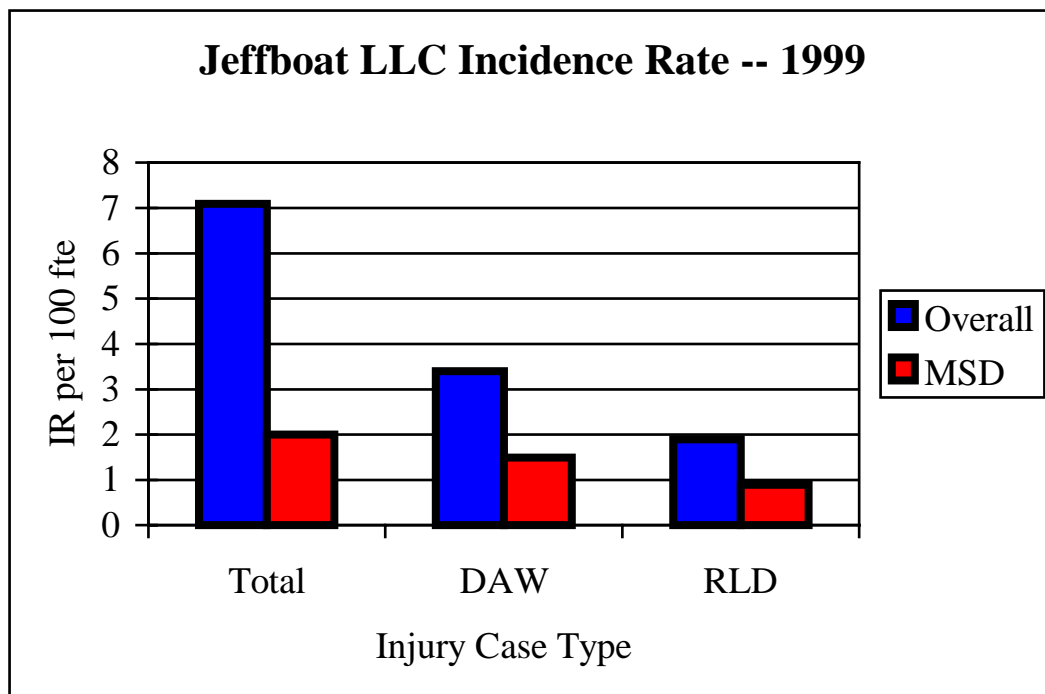
Halter Marine Moss Point 1999 OSHA 200 Log Analysis		
	Median (days)	Mean (days)
Total DAW	11	33.9
Total RLDD	16	24.7
MSD DAW	11	16.2
MSD RLDD	14.5	28.0

JEFFBOAT LLC  
1999 OSHA 200 LOG REVIEW

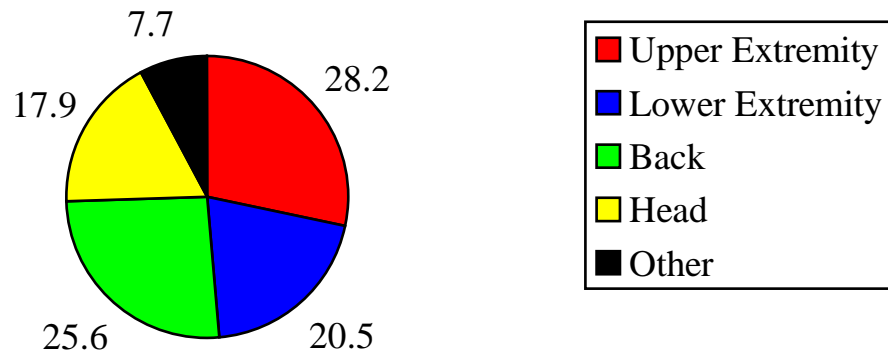
For the year 1999, there were 78 total injuries and illnesses recorded onto the OSHA 200 Logs for an annual incident rate of 7.1 per 100 full-time employees (fte), based on a total of 2,211,953 worker hours for that year ( $78 \times 200,000 / 2,211,953$ ). The Days Away from Work case ( $n = 38$ ) rate was 3.4 per 100 fte. For strictly Restricted or Light Duty Day cases ( $n = 21$ ), the incident rate was 1.9 per 100 fte. The No Lost Workday case ( $n = 32$ ), incident rate was 2.9 per 100 fte.

Overall, upper extremity injuries accounted for 28.2 % of all cases, lower extremity injuries 20.5 %, head injuries including eyes and ears 17.9 %, back injuries 25.6 %, and other locations 7.7 %.

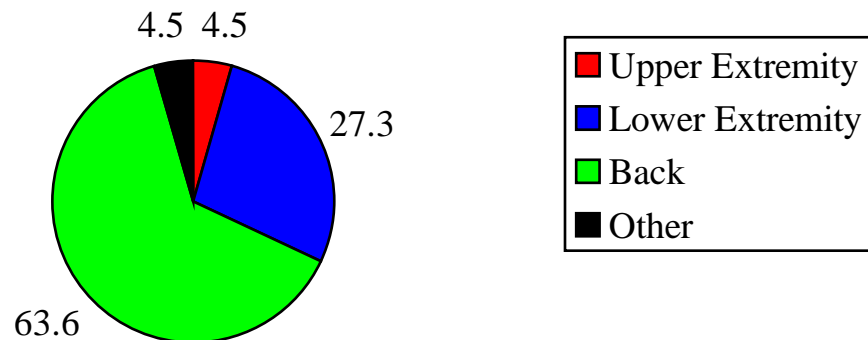
Musculoskeletal (MSD) injuries were defined as sprains/strains/tears, dislocations, tendinitis, bursitis, hernia or carpal tunnel syndrome affecting either the upper extremities, lower extremities, back or trunk. MSD's represented 28.2 % of the total cases, 44.7 % of the Days Away from Work cases, and 47.6 % of the Restricted or Light Duty Day cases. The MSD incident rate was 2.0 MSD's per 100 fte. The MSD Days Away from Work incident rate was 1.5 per 100 fte. The MSD Restricted or Light Duty Day incident rate was 0.9 per 100 fte. The lower extremities accounted for 27.3 % of the MSD injuries, the upper extremities 4.5 %, the back 63.6 %, and other 4.5 %.



### Jeffboat LLC 1999 Total Injuries by Body Part



### Jeffboat LLC 1999 MSD Injuries by Body Part



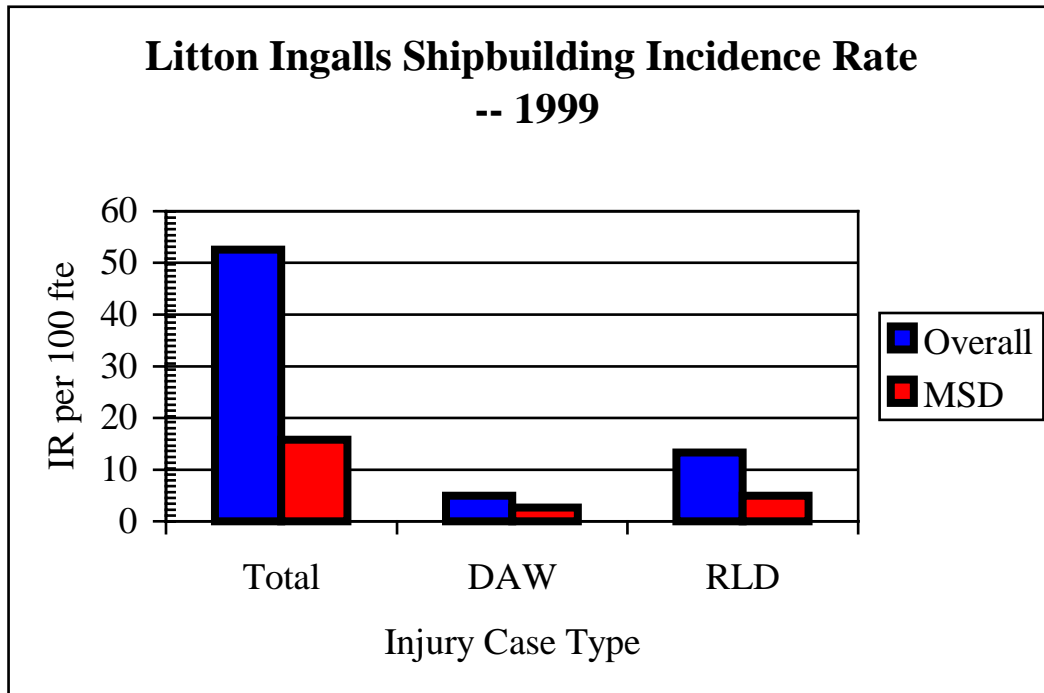
Jeffboat LLC 1999 OSHA 200 Log Analysis		
	Median (days)	Mean (days)
Total DAW	12	32.6
Total RLDD	30	41.9
MSD DAW	11	31.5
MSD RLDD	32.5	43.2

**LITTON INGALLS SHIPBUILDING  
1999 OSHA 200 LOG REVIEW**

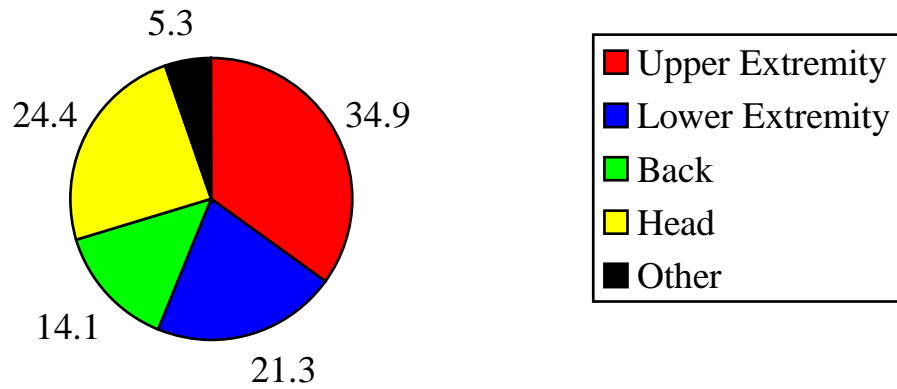
For the year 1999, there were 5655 total injuries and illnesses recorded onto the OSHA 200 Logs for an annual incident rate of 52.6 per 100 full-time employees (fte), based on a total of 21,504,030 worker hours for that year ( $5655 \times 200,000/21,504,030$ ). The Days Away from Work case ( $n = 538$ ) rate was 5.0 per 100 fte. For strictly Restricted or Light Duty Day cases ( $n = 1428$ ), the incident rate was 13.3 per 100 fte.

Overall, upper extremity injuries accounted for 34.9 % of all cases, lower extremity injuries 21.3 %, head injuries including eyes and ears 24.4 %, back injuries 14.1 %, and other locations 5.3 %.

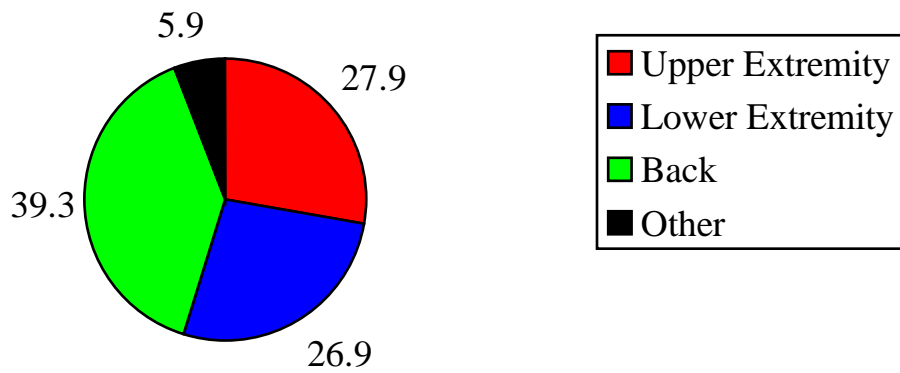
Musculoskeletal (MSD) injuries were defined as sprains/strains/tears, dislocations, tendinitis, bursitis, hernia or carpal tunnel syndrome affecting either the upper extremities, lower extremities, back or trunk. MSD's represented 30.1 % of the total cases, 53.9 % of the Days Away from Work cases, and 36.6 % of the Restricted or Light Duty Day cases. The MSD incident rate was 15.8 MSD's per 100 fte. The MSD Days Away from Work incident rate was 2.7 per 100 fte. The MSD Restricted or Light Duty Day incident rate was 4.9 per 100 fte. The upper extremities accounted for 27.9 % of the MSD injuries, the lower extremities 26.9 %, the back 39.3 %, and other 5.9 %.



### Litton Ingalls Shipbuilding 1999 Total Injuries by Body Part



### Litton Ingalls Shipbuilding 1999 MSD Injuries by Body Part





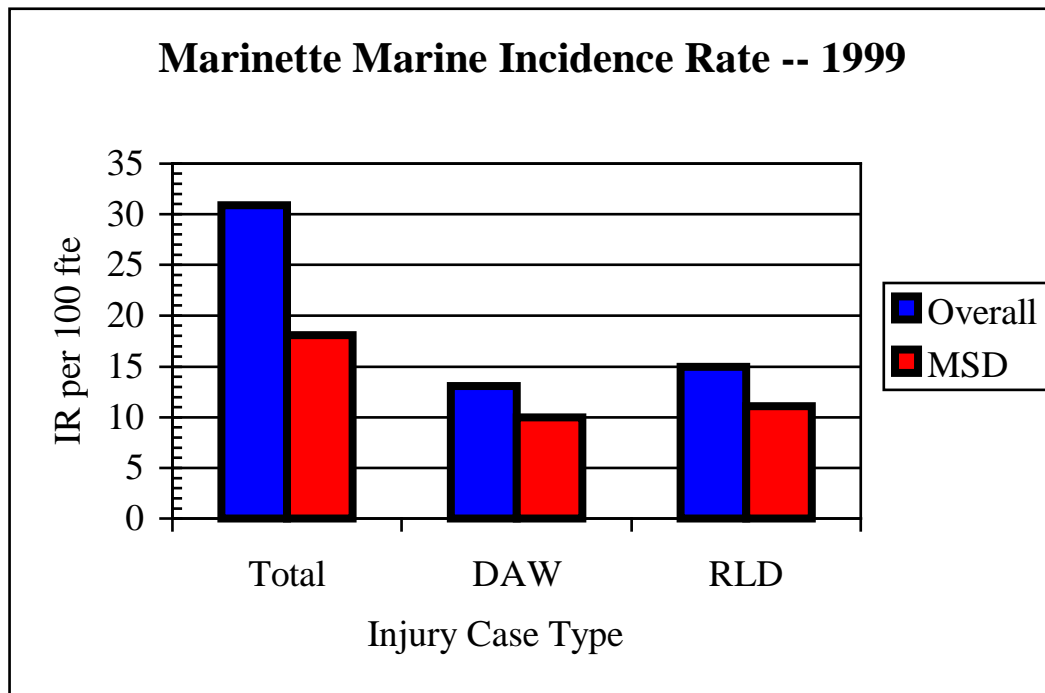
Litton Ingalls Shipbuilding 1999 OSHA 200 Log Analysis		
	Median (days)	Mean (days)
Total DAW	4	14.9
Total RLDD	3	8.4
MSD DAW	4	15.1
MSD RLDD	3	9.0

**MARINETTE MARINE  
1999 OSHA 200 LOG REVIEW**

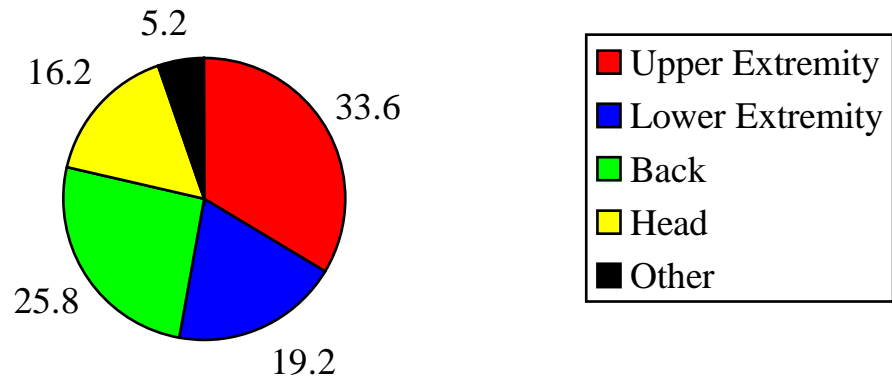
For the year 1999, there were 229 total injuries and illnesses recorded onto the OSHA 200 Logs for an annual incident rate of 30.9 per 100 full-time employees (fte), based on a total of 1,482,658 worker hours for that year ( $53 \times 200,000/1,482,658$ ). The Days Away from Work case rate was 13.1 per 100 fte. For strictly Restricted or Light Duty Day cases, the incident rate was 15.0 per 100 fte.

Overall, upper extremity injuries accounted for 33.6 % of all cases, lower extremity injuries 19.2 %, head injuries including eyes and ears 16.2 %, back injuries 25.8 %, and other locations 5.2 %.

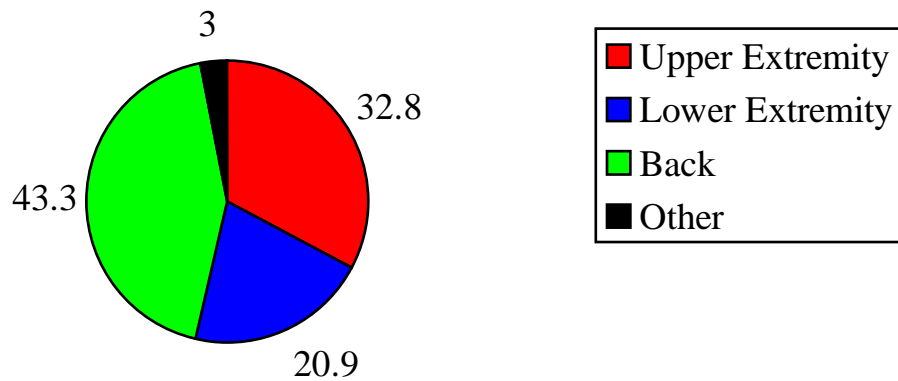
Musculoskeletal (MSD) injuries were defined as sprains/strains/tears, dislocations, tendinitis, bursitis, hernia or carpal tunnel syndrome affecting either the upper extremities, lower extremities, back or trunk. MSD's represented 58.0 % of the total cases, 78.7 % of the Days Away from Work cases, and 73.9 % of the Restricted or Light Duty Day cases. The MSD incident rate was 18.1 MSD's per 100 fte. The MSD Days Away from Work incident rate was 10.0 per 100 fte. The MSD Restricted or Light Duty Day incident rate was 11.1 per 100 fte. The lower extremities accounted for 43.3 % of the MSD injuries, the upper extremities 32.8 %, the back 43.3 %, and other 3.0 %.



### Marinette Marine 1999 Total Injuries by Body Part



### Marinette Marine 1999 MSD Injuries by Body Part



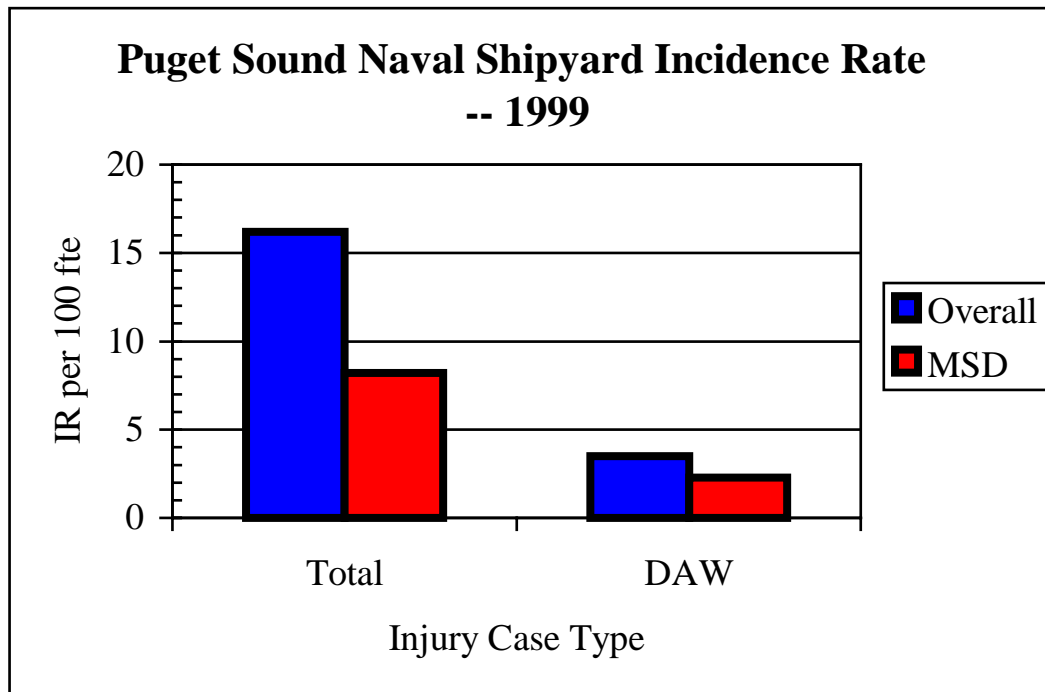
Marinette Marine 1999 OSHA 200 Log Analysis		
	Median (days)	Mean (days)
Total DAW	12	34.1
Total RLDD	8	18.8
MSD DAW	16	38.1
MSD RLDD	10	22.4

**PUGET SOUND NAVAL SHIPYARD  
1999 OSHA 200 LOG REVIEW**

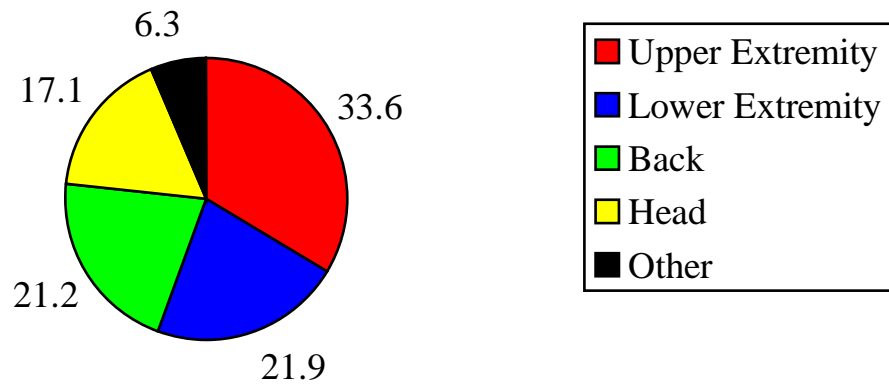
For the year 1999, there were 1295 total injuries and illnesses recorded onto the OSHA 200 Logs for an annual incident rate of 16.2 per 100 full-time employees (fte), based on a total of 15,974,709 worker hours for that year ( $1295 \times 200,000 / 15,974,709$ ). The Days Away from Work case rate was 3.5 per 100 fte.

Overall, upper extremity injuries accounted for 33.6 % of all cases, lower extremity injuries 21.9 %, head injuries including eyes and ears 17.1 %, back injuries 21.2 %, and other locations 6.3 %.

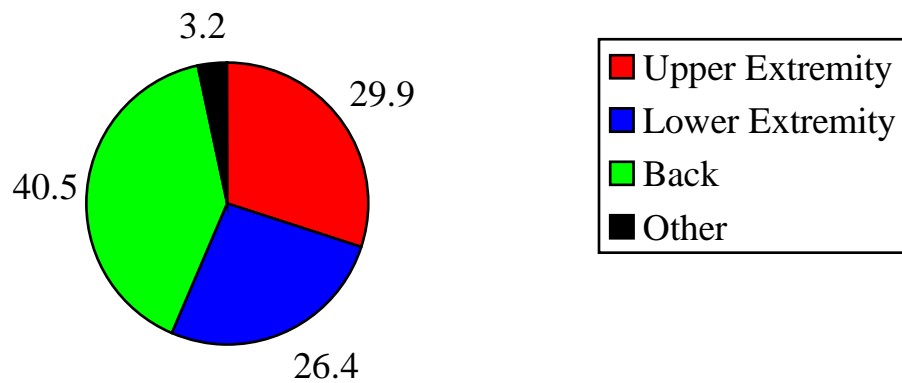
Musculoskeletal (MSD) injuries were defined as sprains/strains/tears, dislocations, tendinitis, bursitis, hernia or carpal tunnel syndrome affecting either the upper extremities, lower extremities, back or trunk. MSD's represented 50.7 % of the total cases, 65.4 % of the Days Away from Work cases. The MSD incident rate was 8.2 MSD's per 100 fte. The MSD Days Away from Work incident rate was 2.3 per 100 fte. The lower extremities accounted for 26.4 % of the MSD injuries, the upper extremities 29.9 %, the back 40.5 %, and other 3.2 %..



### Puget Sound Naval Shipyard 1999 Total Injuries by Body Part



### Puget Sound Naval Shipyard 1999 MSD Injuries by Body Part



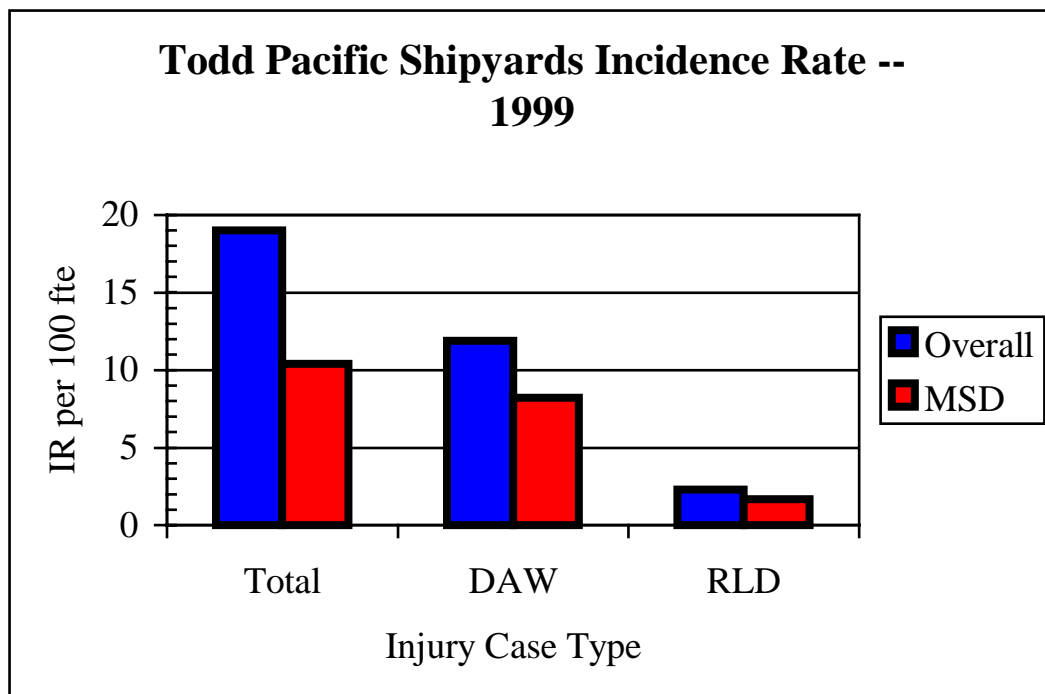
Puget Sound Naval Shipyard 1999 OSHA 200 Log Analysis		
	Median (days)	Mean (days)
Total DAW	5	9.9
MSD DAW	6	10.3

**TODD PACIFIC SHIPYARDS  
1999 OSHA 200 LOG REVIEW**

For the year 1999, there were 185 total injuries and illnesses recorded onto the OSHA 200 Logs for an annual incident rate of 19.0 per 100 full-time employees (fte), based on a total of 1,945,020 worker hours for that year ( $185 \times 200,000 / 1,945,020$ ). The Days Away from Work case ( $n = 116$ ) rate was 11.9 per 100 fte. For strictly Restricted or Light Duty Day cases ( $n = 22$ ), the incident rate was 2.3 per 100 fte. The No Lost Workday case ( $n = 51$ ), incident rate was 5.2 per 100 fte.

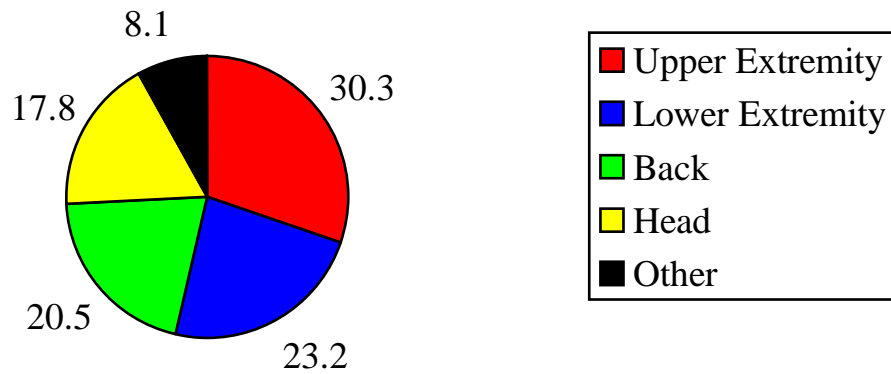
Overall, upper extremity injuries accounted for 30.3 % of all cases, lower extremity injuries 23.2 %, head injuries including eyes and ears 17.8 %, back injuries 20.5 %, and other locations 8.1 %.

Musculoskeletal (MSD) injuries were defined as sprains/strains/tears, dislocations, tendinitis, bursitis, hernia or carpal tunnel syndrome affecting either the upper extremities, lower extremities, back or trunk. MSD's represented 54.6 % of the total cases, 69.0 % of the Days Away from Work cases, and 77.3 % of the Restricted or Light Duty Day cases. The MSD incident rate was 10.4 MSD's per 100 fte. The MSD Days Away from Work incident rate was 8.2 per 100 fte. The MSD Restricted or Light Duty Day incident rate was 1.7 per 100 fte. The upper extremities accounted for 29.7 % of the MSD injuries, the lower extremities 29.7 %, the back 34.7 %, and other 5.0 %.

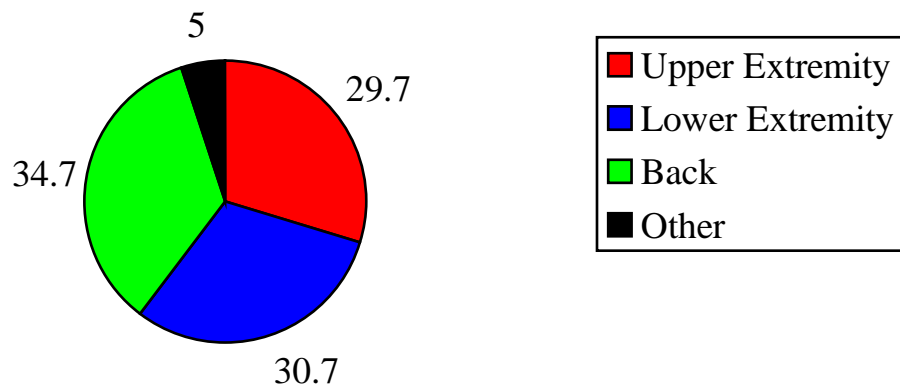




### Todd Pacific Shipyard 1999 Total Injuries by Body Part



### Todd Pacific Shipyard 1999 MSD Injuries by Body Part



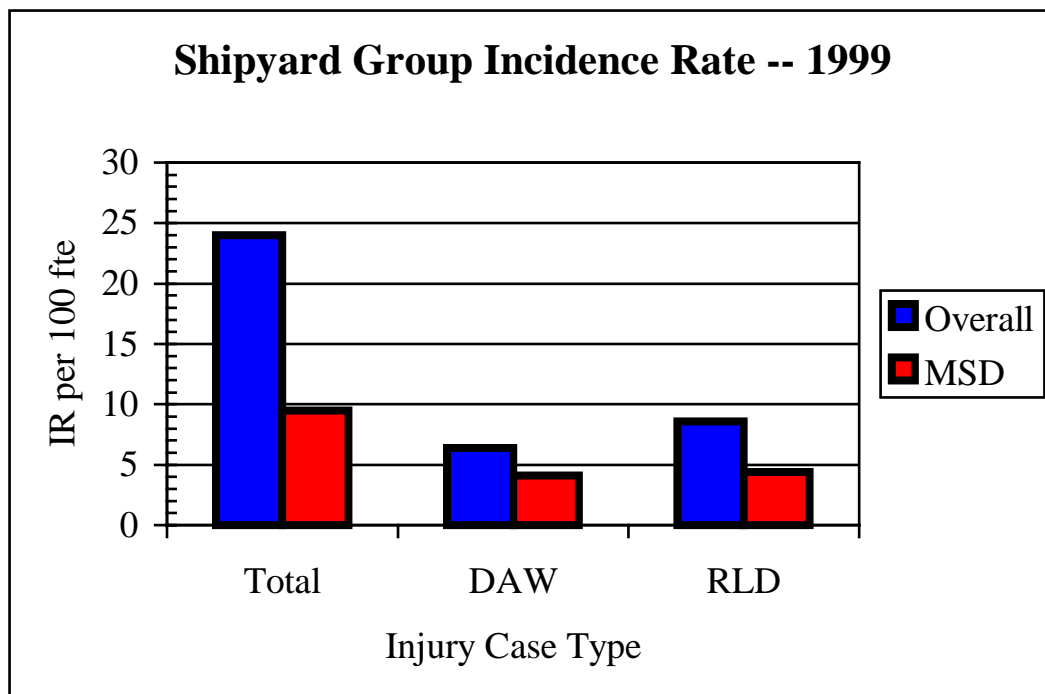
Todd Pacific Shipyard 1999 OSHA 200 Log Analysis		
	Median (days)	Mean (days)
Total DAW	13	36.0
Total RLDD	6	13.3
MSD DAW	17.5	40.1
MSD RLDD	5	10.2

## SHIPYARD GROUP AVERAGES 1999 OSHA 200 LOG REVIEW

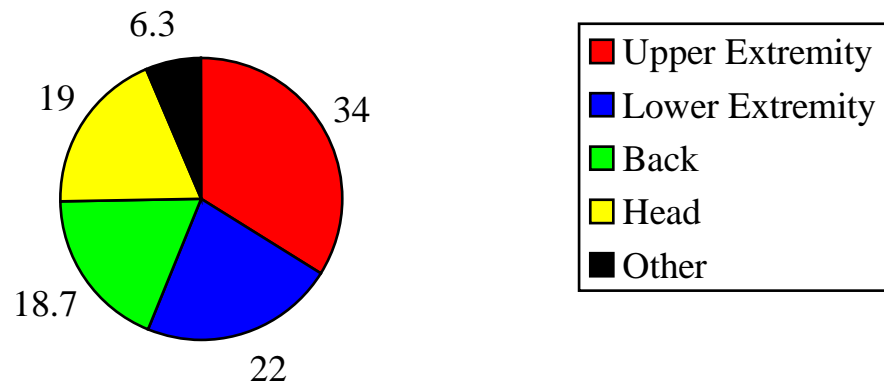
For the year 1999, combining the information from the eight participating shipyards and reporting the averaged data, the group Recordable Injury/Illness incident rate was 24.0 per 100 full-time employees (fte). The group Days Away from Work case rate was 6.4 per 100 fte. For strictly Restricted or Light Duty Day cases, the group incident rate was 8.6 per 100 fte.

Overall, upper extremity injuries accounted for 34.0 % of all cases, lower extremity injuries 22.0 %, head injuries including eyes and ears 19.0 %, back injuries 18.7 %, and other locations 6.3 %.

Musculoskeletal (MSD) injuries were defined as sprains/strains/tears, dislocations, tendinitis, bursitis, hernia or carpal tunnel syndrome affecting either the upper extremities, lower extremities, back or trunk. MSD's represented 42.0 % of the total cases, 60.7 % of the Days Away from Work cases, and 55.6 % of the Restricted or Light Duty Day cases. The MSD group incident rate was 9.5 MSD's per 100 fte. The MSD Days Away from Work group incident rate was 4.1 per 100 fte. The MSD Restricted or Light Duty Day group incident rate was 4.4 per 100 fte. The upper extremities accounted for 26.5 % of the MSD injuries, the lower extremities 29.0 %, the back 41.1 %, and other 3.4 %.



### Shipyards Group 1999 Total Injuries by Body Part



### Shipyards Group 1999 MSD Injuries by Body Part

